

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1445048

Luminaire Tested: XAS300-SFPM (3000K-180W-T5)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445048
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (3000K-180W-T5)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 28121.4 lumens
Efficiency: 61.8%
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 187.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

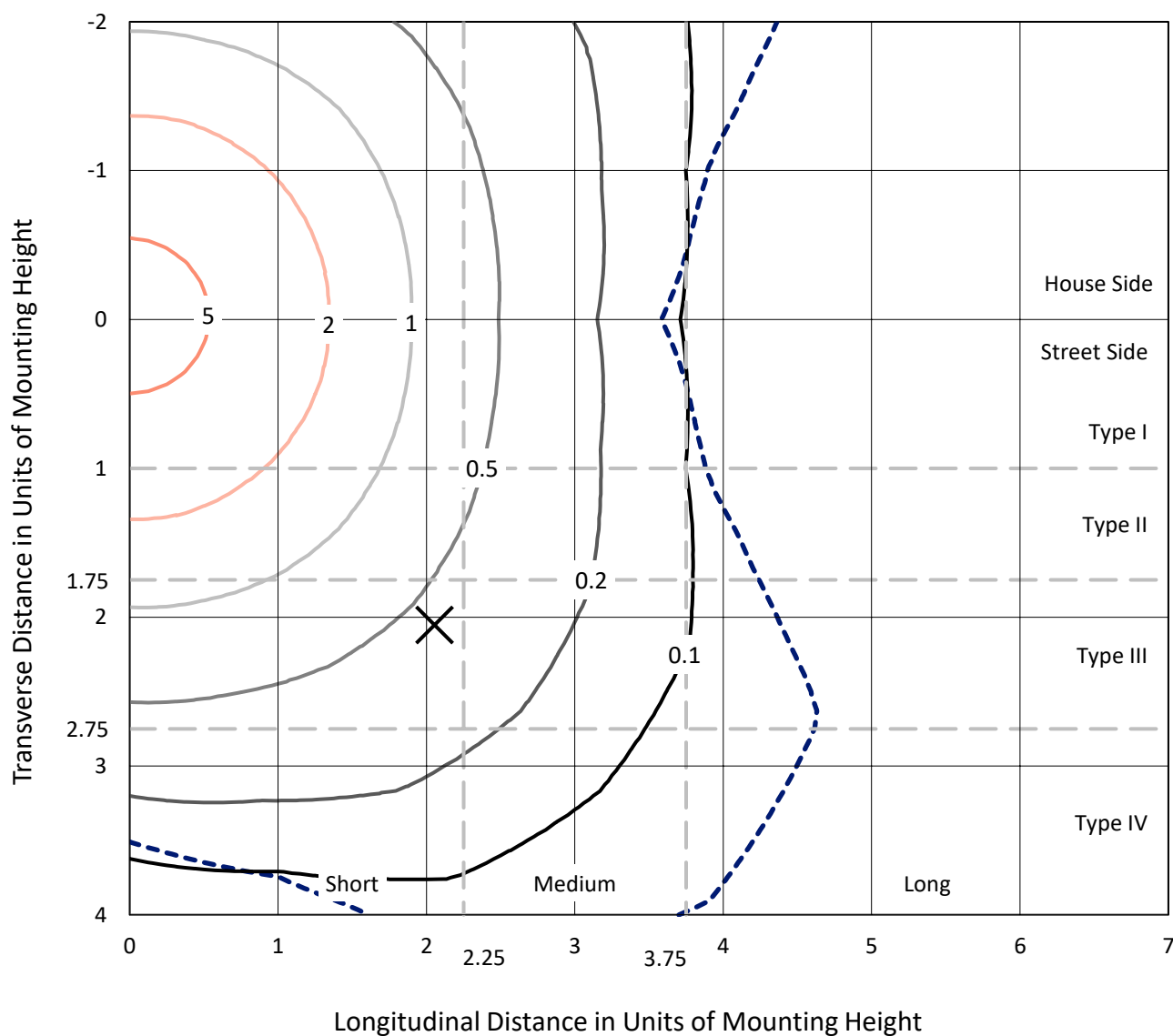
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

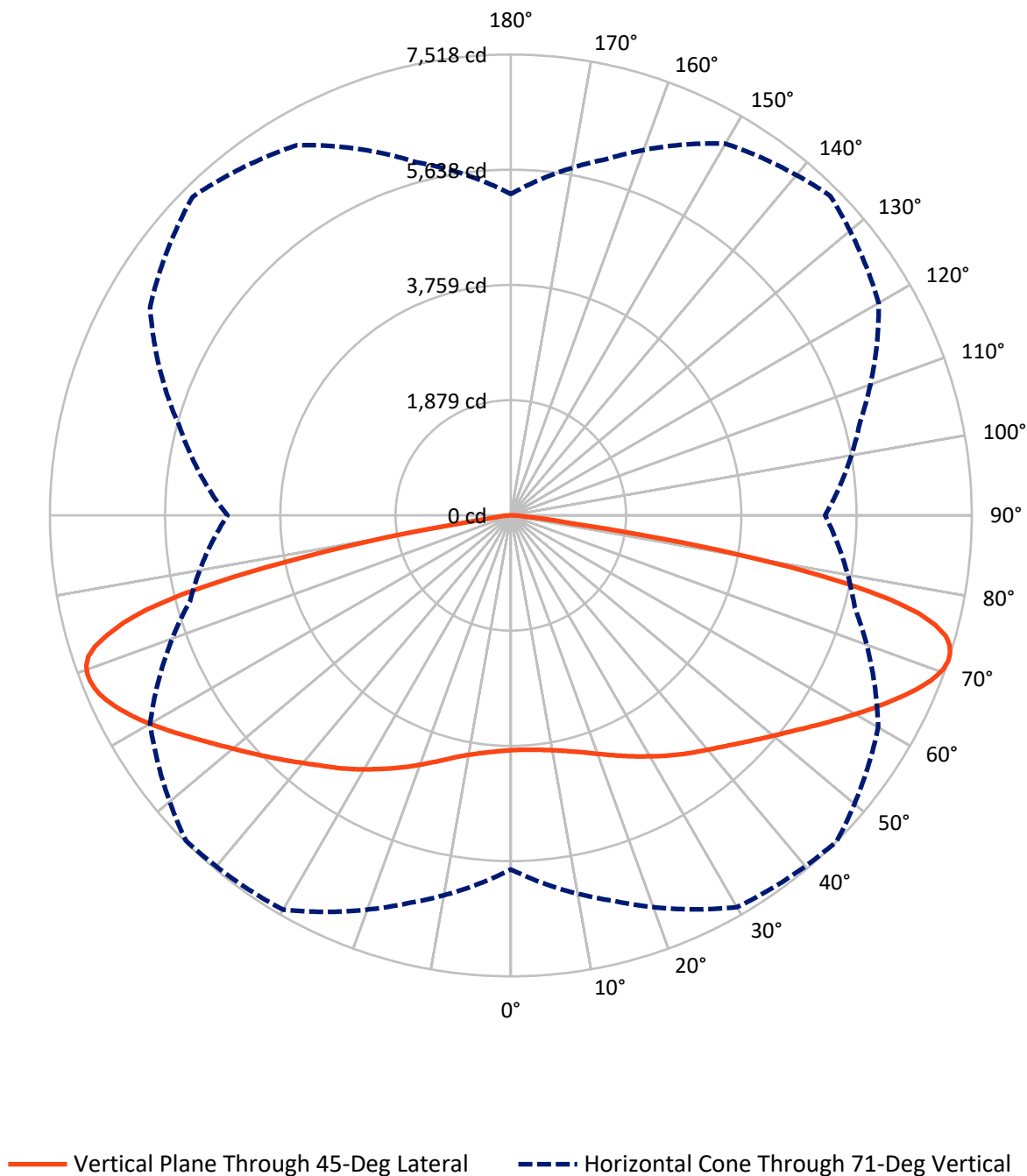


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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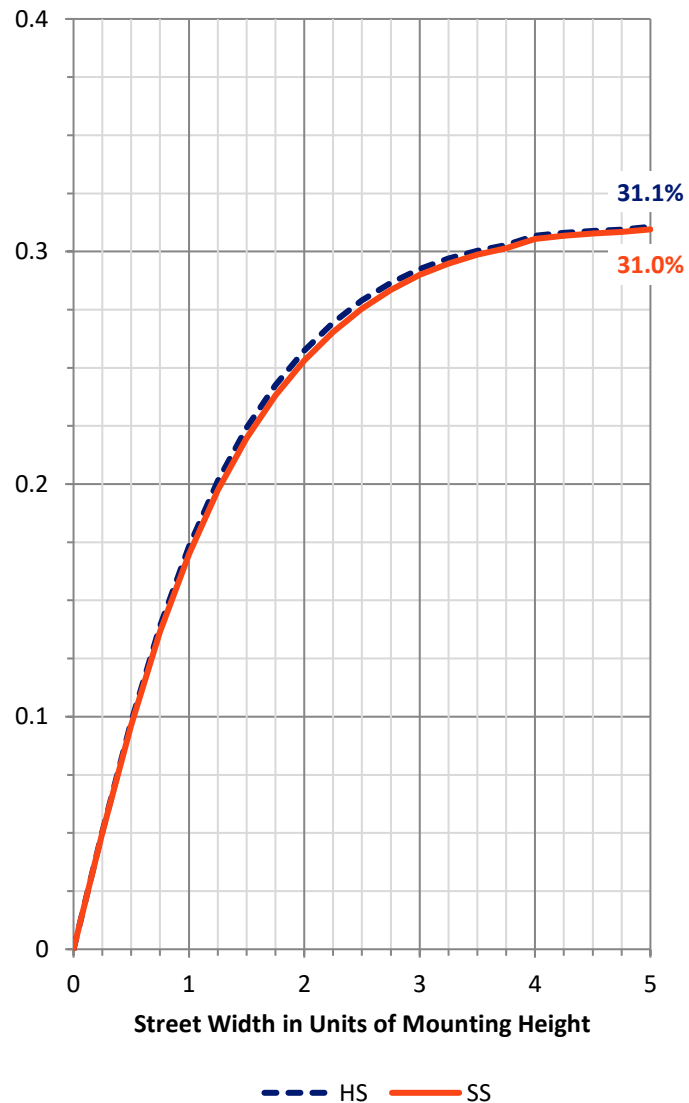
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14063.8	0.0	14063.8
	% Lamp	30.9	0.0	30.9
Street Side	Lumens	14057.6	0.0	14057.6
	% Lamp	30.9	0.0	30.9
Total	Lumens	28121.4	0.0	28121.4
	% Lamp	61.8	0.0	61.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	369.8	1.3	0.8
10°-20°	1154.2	4.1	2.5
20°-30°	2057.0	7.3	4.5
30°-40°	3078.2	10.9	6.8
40°-50°	4213.6	15.0	9.3
50°-60°	5494.4	19.5	12.1
60°-70°	6624.1	23.6	14.5
70°-80°	4841.2	17.2	10.6
80°-90°	288.8	1.0	0.6
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	28121.4	100.0	61.8
0°-180°	28121.4	100.0	61.8

Coefficient of Utilization



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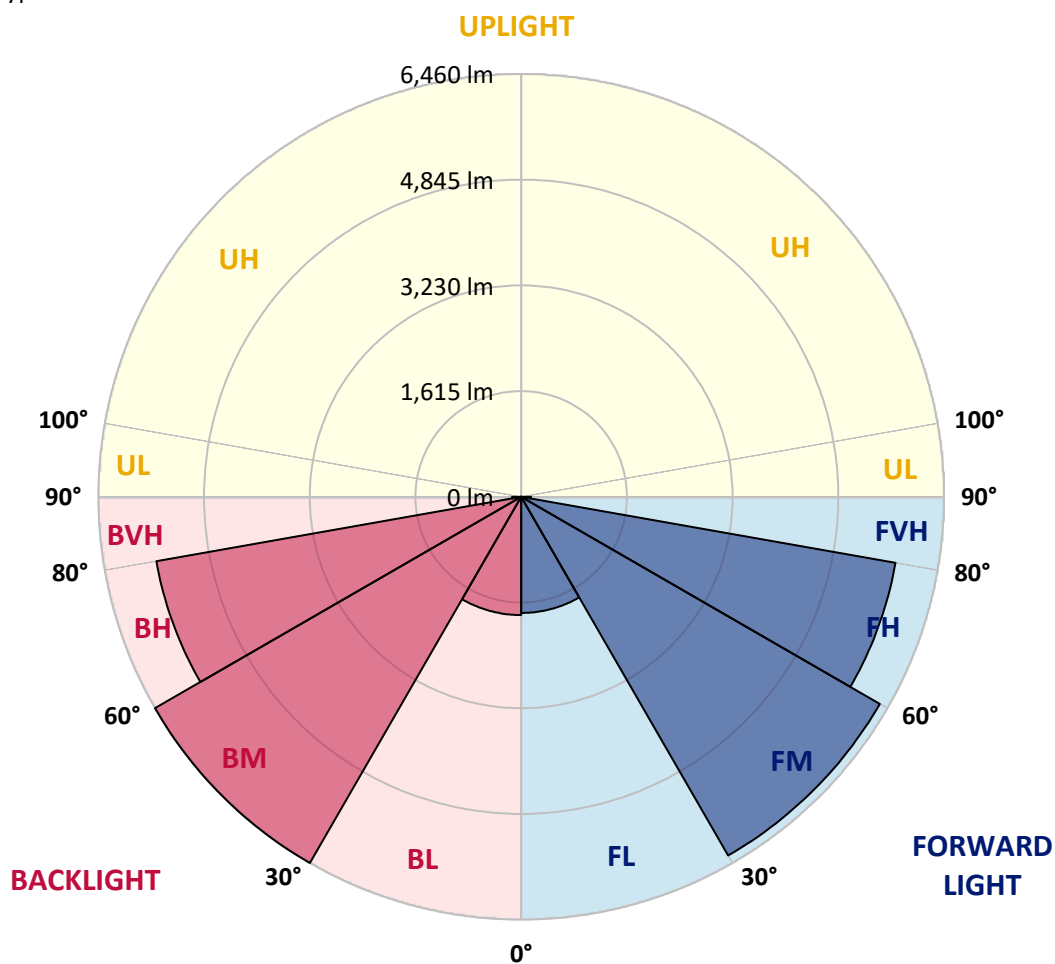
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1774.4	3.9			
FM	(30°-60°)	6326.7	13.9			
FH	(60°-80°)	5806.3	12.8			G3/7500
FVH	(80°-90°)	150.2	0.3			G2/225
BL	(0°-30°)	1806.7	4.0	B3/2500		
BM	(30°-60°)	6459.6	14.2	B4/8500		
BH	(60°-80°)	5658.9	12.4	B5		G3/7500
BVH	(80°-90°)	138.6	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		17413.6	38.2			

BUG Rating: B5-U0-G3

Type V Short



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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8
1°	3827.2	3826.0	3826.3	3826.9	3827.5	3829.0	3825.9	3825.9	3826.5	3827.5	3828.0
2°	3826.9	3826.0	3826.0	3826.9	3828.1	3829.1	3826.5	3827.2	3828.5	3830.4	3831.5
3°	3829.1	3827.3	3827.8	3828.1	3830.6	3832.7	3829.9	3831.3	3833.3	3835.6	3837.0
4°	3831.7	3830.3	3831.1	3833.0	3835.4	3837.7	3835.4	3837.0	3840.2	3842.6	3844.1
5°	3835.4	3834.4	3836.1	3838.5	3842.7	3846.4	3844.4	3846.2	3848.4	3851.4	3854.3
6°	3841.7	3839.6	3842.7	3846.7	3852.5	3856.7	3855.2	3856.8	3858.7	3861.4	3865.4
7°	3849.0	3848.1	3850.8	3857.2	3863.5	3867.0	3866.3	3868.7	3870.3	3873.3	3878.3
8°	3857.5	3856.7	3861.7	3868.7	3875.0	3880.6	3879.7	3882.3	3885.2	3888.2	3894.4
9°	3868.5	3866.9	3873.5	3880.9	3889.8	3895.6	3895.0	3897.4	3901.9	3905.9	3911.9
10°	3881.8	3880.8	3887.6	3896.1	3907.0	3913.1	3912.1	3914.1	3919.9	3926.8	3932.2
11°	3898.3	3895.8	3904.1	3914.1	3925.0	3930.7	3930.7	3932.5	3939.2	3948.5	3954.6
12°	3916.3	3913.6	3921.7	3933.1	3944.4	3951.4	3952.2	3954.3	3962.4	3973.3	3979.9
13°	3936.5	3933.0	3940.9	3954.4	3965.9	3973.9	3975.9	3979.5	3987.9	3999.5	4007.4
14°	3959.1	3955.7	3961.7	3977.0	3989.6	4001.3	4003.6	4006.3	4016.0	4027.6	4037.8
15°	3985.0	3979.8	3985.7	4001.0	4016.2	4029.1	4033.1	4037.0	4046.6	4058.3	4069.1
16°	4011.8	4005.9	4012.7	4027.1	4045.0	4059.4	4065.5	4070.8	4078.7	4090.6	4101.9
17°	4040.0	4032.3	4041.2	4054.8	4075.1	4093.0	4100.5	4104.5	4113.6	4125.1	4136.3
18°	4068.7	4061.4	4069.5	4086.7	4106.7	4128.4	4137.4	4141.9	4149.9	4162.0	4173.0
19°	4098.5	4091.2	4101.4	4121.4	4140.2	4164.6	4176.6	4180.0	4187.7	4200.1	4210.2
20°	4130.0	4123.0	4134.0	4155.9	4175.9	4201.8	4216.8	4220.4	4226.7	4239.0	4247.9
21°	4161.7	4155.8	4168.1	4192.3	4212.5	4242.2	4257.5	4263.6	4267.2	4280.7	4286.8
22°	4193.9	4188.9	4203.8	4229.1	4251.1	4283.2	4299.0	4308.0	4310.2	4322.1	4325.1
23°	4228.1	4224.6	4240.4	4268.1	4292.6	4325.4	4339.8	4351.2	4354.4	4364.1	4365.6
24°	4263.4	4262.0	4277.6	4307.1	4333.8	4365.0	4378.4	4393.9	4399.0	4406.3	4405.0
25°	4301.6	4300.8	4316.7	4348.0	4375.4	4405.2	4416.5	4436.3	4443.0	4449.3	4446.3
26°	4340.1	4342.2	4356.1	4389.0	4416.0	4447.1	4456.0	4478.9	4488.1	4492.5	4488.2
27°	4382.2	4384.6	4397.7	4430.6	4456.8	4489.8	4497.5	4523.4	4532.9	4534.9	4529.8
28°	4426.0	4428.8	4439.8	4472.2	4497.9	4533.5	4541.7	4566.5	4577.3	4578.9	4572.5
29°	4471.4	4472.9	4483.5	4515.1	4539.6	4577.3	4587.9	4612.1	4624.1	4621.7	4615.9
30°	4520.6	4518.9	4527.3	4558.1	4583.2	4622.8	4637.9	4659.9	4670.3	4666.0	4660.7
31°	4571.5	4564.9	4572.8	4604.1	4626.4	4669.5	4687.9	4708.3	4719.5	4712.6	4706.4
32°	4623.0	4610.7	4617.1	4649.3	4671.3	4713.6	4736.5	4755.4	4767.2	4760.3	4755.1
33°	4678.2	4656.4	4661.9	4693.1	4717.2	4758.0	4785.7	4801.6	4814.1	4808.7	4800.7
34°	4736.2	4703.1	4707.4	4738.3	4761.7	4802.6	4835.9	4847.5	4858.5	4853.7	4848.8
35°	4794.7	4750.9	4755.6	4786.1	4805.2	4847.9	4886.9	4893.8	4902.1	4901.2	4898.6
36°	4853.1	4797.3	4801.9	4831.5	4849.3	4892.0	4938.7	4939.1	4947.6	4950.2	4948.3
37°	4913.9	4841.2	4848.5	4875.3	4893.8	4932.6	4991.7	4984.3	4995.1	4999.3	5000.4
38°	4975.6	4883.7	4893.2	4922.0	4938.8	4974.3	5045.6	5027.9	5042.1	5049.9	5051.5
39°	5037.4	4927.2	4938.0	4967.6	4983.6	5018.8	5103.7	5073.2	5088.9	5100.9	5102.0
40°	5101.4	4973.5	4983.1	5014.3	5029.7	5065.4	5166.2	5121.9	5138.3	5154.8	5155.1
41°	5167.7	5023.7	5031.4	5063.0	5078.9	5115.9	5227.2	5172.7	5189.9	5208.0	5207.3
42°	5231.9	5080.4	5082.5	5115.1	5130.2	5169.0	5284.7	5227.7	5242.2	5263.9	5262.6
43°	5291.4	5141.4	5136.0	5170.5	5187.1	5222.9	5343.3	5282.8	5299.2	5322.0	5320.0
44°	5347.0	5205.6	5193.2	5228.4	5246.2	5281.2	5402.3	5338.9	5358.0	5383.0	5379.9

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5401.9	5268.8	5253.0	5288.5	5305.5	5342.3	5461.5	5396.9	5417.1	5445.7	5442.2
46°	5453.6	5336.1	5316.9	5352.5	5369.3	5405.4	5516.9	5459.9	5480.2	5510.3	5507.3
47°	5502.0	5407.3	5385.8	5416.4	5433.8	5471.6	5568.8	5525.5	5544.6	5577.4	5573.3
48°	5550.3	5482.5	5456.2	5484.0	5498.5	5537.4	5620.1	5592.6	5610.9	5646.9	5643.5
49°	5601.1	5561.1	5528.7	5554.4	5567.7	5604.6	5668.8	5658.5	5676.4	5715.7	5715.5
50°	5654.7	5644.1	5604.4	5626.1	5641.1	5675.2	5715.5	5726.8	5745.2	5787.3	5790.2
51°	5711.3	5728.6	5684.2	5701.2	5711.7	5744.7	5760.3	5794.4	5814.1	5860.5	5866.8
52°	5767.7	5815.6	5766.1	5780.3	5788.5	5816.3	5801.1	5863.6	5885.3	5935.8	5945.4
53°	5832.0	5905.5	5850.3	5866.0	5864.3	5883.2	5840.5	5928.5	5957.1	6013.9	6027.0
54°	5900.3	5993.6	5939.7	5952.4	5941.6	5946.0	5881.7	5991.2	6032.6	6093.1	6109.4
55°	5969.7	6080.2	6032.4	6043.1	6019.0	6006.7	5921.9	6050.4	6105.0	6177.1	6193.1
56°	6039.0	6164.7	6127.0	6137.3	6098.2	6068.7	5963.1	6108.3	6177.1	6262.3	6275.9
57°	6107.2	6245.0	6223.4	6232.0	6176.4	6129.2	6003.6	6163.2	6251.2	6353.1	6357.4
58°	6170.8	6321.6	6317.9	6332.7	6255.5	6182.6	6043.6	6213.5	6322.8	6445.1	6433.4
59°	6237.6	6388.9	6416.1	6433.4	6333.3	6229.6	6078.5	6260.4	6393.2	6539.6	6502.5
60°	6300.6	6454.4	6513.0	6537.7	6409.9	6270.9	6107.6	6301.8	6462.4	6635.9	6568.0
61°	6354.3	6510.6	6615.5	6643.3	6482.8	6303.7	6130.2	6334.5	6533.4	6734.1	6637.8
62°	6400.0	6559.3	6716.2	6747.7	6557.5	6325.9	6145.7	6361.7	6603.8	6829.8	6710.7
63°	6446.9	6606.3	6816.9	6852.7	6631.6	6343.2	6156.6	6384.6	6671.7	6923.7	6778.6
64°	6505.6	6651.4	6914.5	6958.9	6698.9	6352.5	6161.2	6398.8	6738.4	7016.4	6842.2
65°	6569.8	6704.5	7013.9	7067.0	6766.2	6358.6	6161.6	6409.3	6803.3	7100.3	6901.5
66°	6608.8	6761.3	7107.8	7169.5	6828.6	6361.1	6144.6	6411.1	6861.3	7179.4	6961.4
67°	6615.5	6805.8	7188.0	7264.6	6878.0	6348.7	6110.6	6395.7	6910.7	7246.1	7012.6
68°	6611.2	6820.0	7263.4	7356.0	6926.2	6304.3	6027.1	6359.2	6951.5	7303.5	7051.6
69°	6539.0	6799.0	7333.2	7432.0	6952.1	6222.8	5844.7	6280.8	6977.4	7344.3	7059.0
70°	6283.3	6722.4	7377.6	7488.8	6948.4	6059.5	5555.2	6134.9	6975.0	7370.2	7042.3
71°	5774.6	6510.6	7377.6	7517.8	6917.5	5807.4	5125.3	5897.2	6929.9	7369.0	7001.5
72°	5109.8	6109.0	7314.0	7509.8	6845.3	5470.2	4667.4	5549.5	6839.1	7336.9	6898.4
73°	4466.9	5551.0	7188.0	7466.6	6724.9	5070.3	4257.5	5121.2	6688.4	7244.2	6729.2
74°	3846.2	4928.0	6982.4	7362.8	6535.3	4675.4	3916.0	4677.4	6482.1	7080.0	6476.6
75°	2927.3	4236.4	6665.0	7157.2	6308.6	4284.8	3518.9	4262.2	6207.3	6827.4	6072.4
76°	1706.0	3336.5	6184.5	6849.0	6014.6	3790.4	2821.9	3823.4	5869.5	6482.8	5522.4
77°	671.3	2121.5	5539.2	6345.0	5621.6	3037.1	1986.5	3135.0	5447.4	5968.3	4862.2
78°	489.7	962.9	4735.6	5614.4	5043.4	2028.7	1151.1	2221.4	4907.6	5233.1	4052.3
79°	325.3	684.0	3650.2	4645.2	4237.0	1008.6	323.3	1307.9	4141.3	4239.3	2969.3
80°	160.9	427.4	2261.1	3441.9	3136.9	717.8	183.3	402.3	3094.8	3087.9	2107.7
81°	142.8	170.9	1070.7	2181.4	1833.3	443.2	161.8	200.7	2170.6	2171.0	1246.0
82°	126.3	147.2	771.1	977.3	786.6	168.7	140.3	166.0	1246.3	1254.1	388.7
83°	110.2	126.0	475.8	717.0	567.3	136.9	118.9	143.1	329.4	338.0	210.2
84°	93.6	106.0	180.6	463.6	361.1	115.6	101.8	120.2	194.5	215.8	160.2
85°	76.3	86.4	136.4	210.4	154.9	94.9	84.5	99.3	152.6	179.9	110.7
86°	56.5	67.7	104.3	166.7	114.0	75.2	67.0	79.2	110.7	143.4	78.4
87°	38.4	50.3	79.0	124.2	87.4	57.5	48.8	61.3	83.9	106.9	54.9
88°	20.4	32.9	54.5	77.2	62.6	40.0	31.4	44.2	60.1	66.9	34.0
89°	8.4	15.5	29.2	40.6	34.2	22.5	22.0	30.7	41.3	46.0	24.0

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1445048
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8	3827.8
1°	3829.4	3830.9	3831.8	3832.5	3832.8	3833.5	3833.6	3829.9	3829.7	3829.3	3828.1
2°	3832.8	3836.0	3837.4	3839.1	3839.0	3839.9	3839.4	3836.5	3835.1	3833.3	3830.8
3°	3839.7	3842.9	3845.5	3846.7	3847.4	3847.7	3847.2	3844.2	3841.4	3838.7	3835.1
4°	3847.9	3851.5	3854.5	3856.3	3857.5	3858.0	3856.5	3851.8	3849.1	3846.1	3841.2
5°	3857.0	3861.2	3864.8	3867.8	3869.0	3868.8	3866.7	3861.7	3857.3	3853.8	3848.3
6°	3867.7	3873.1	3876.7	3880.0	3881.6	3881.4	3879.3	3873.4	3868.7	3862.9	3855.9
7°	3881.6	3886.9	3890.7	3894.6	3896.2	3896.0	3893.1	3887.6	3881.2	3874.8	3865.7
8°	3897.7	3902.6	3907.1	3912.0	3912.8	3912.6	3909.7	3902.7	3896.1	3889.2	3877.8
9°	3916.7	3921.0	3925.9	3930.9	3932.1	3930.3	3926.4	3919.5	3913.1	3905.8	3892.2
10°	3936.2	3940.9	3945.7	3952.0	3953.2	3950.7	3946.8	3940.4	3932.6	3923.0	3908.8
11°	3959.8	3965.2	3969.8	3975.3	3977.6	3975.4	3970.7	3964.9	3956.5	3943.8	3928.1
12°	3985.8	3991.4	3996.3	4001.3	4005.1	4003.5	3998.4	3993.6	3983.7	3968.8	3948.8
13°	4014.3	4020.2	4024.4	4030.2	4034.7	4033.8	4028.3	4023.3	4012.9	3996.9	3972.8
14°	4043.9	4049.9	4054.9	4061.2	4067.0	4067.3	4060.1	4054.2	4043.2	4025.9	3999.3
15°	4075.6	4082.6	4086.5	4095.4	4102.0	4101.3	4094.3	4088.5	4076.0	4056.2	4029.4
16°	4110.3	4116.7	4121.9	4131.3	4141.3	4139.2	4130.8	4126.6	4111.6	4089.3	4061.1
17°	4145.6	4152.4	4158.0	4169.3	4180.6	4177.1	4169.4	4165.5	4150.3	4125.4	4094.1
18°	4181.5	4187.6	4194.3	4208.1	4221.0	4217.0	4210.2	4206.4	4189.1	4162.2	4128.5
19°	4219.1	4224.3	4231.6	4248.0	4262.2	4257.7	4251.6	4248.0	4229.3	4201.7	4164.2
20°	4257.0	4260.6	4270.7	4287.8	4305.0	4300.7	4295.1	4291.0	4271.3	4241.0	4201.2
21°	4295.2	4298.1	4311.6	4330.4	4350.8	4344.9	4340.4	4335.7	4316.7	4281.4	4240.2
22°	4333.3	4336.2	4351.7	4371.7	4395.2	4390.6	4387.3	4378.2	4360.7	4322.2	4279.8
23°	4372.7	4374.9	4393.0	4416.1	4440.4	4435.8	4433.8	4420.6	4405.3	4366.4	4321.5
24°	4413.2	4416.0	4435.7	4458.8	4484.6	4483.6	4479.8	4462.0	4449.3	4411.1	4362.9
25°	4455.1	4458.8	4479.9	4503.8	4529.0	4531.4	4524.6	4504.7	4493.8	4454.3	4404.6
26°	4497.7	4503.8	4525.6	4550.2	4573.6	4579.9	4572.5	4548.0	4538.6	4496.9	4444.9
27°	4541.8	4549.7	4572.8	4595.2	4617.1	4627.8	4619.3	4592.2	4584.6	4540.6	4486.4
28°	4588.0	4599.0	4620.6	4640.3	4663.6	4677.3	4667.8	4640.6	4630.9	4584.4	4531.0
29°	4635.1	4649.9	4670.3	4685.3	4710.1	4726.1	4717.2	4693.1	4678.0	4628.9	4575.2
30°	4682.9	4701.7	4719.6	4731.4	4757.7	4774.2	4767.8	4745.9	4726.6	4672.7	4620.3
31°	4730.4	4755.9	4768.8	4779.4	4806.5	4821.0	4818.1	4799.0	4774.1	4718.3	4666.0
32°	4778.5	4811.5	4818.9	4827.1	4854.4	4868.5	4865.2	4847.2	4819.5	4763.1	4714.6
33°	4826.4	4868.8	4868.3	4874.5	4902.0	4913.4	4912.4	4895.6	4862.8	4809.3	4762.7
34°	4876.5	4925.0	4916.5	4923.4	4949.2	4957.0	4956.7	4944.4	4906.6	4854.0	4810.7
35°	4925.3	4984.1	4965.1	4972.5	4996.2	5000.3	5000.8	4993.9	4946.7	4899.0	4858.0
36°	4975.7	5043.9	5014.5	5021.5	5042.3	5044.6	5041.6	5043.5	4984.4	4942.3	4904.2
37°	5025.0	5102.8	5062.3	5071.6	5088.3	5090.2	5082.8	5098.0	5026.0	4986.9	4951.5
38°	5072.2	5162.6	5107.9	5120.7	5137.4	5136.2	5126.2	5156.0	5069.5	5030.8	4999.9
39°	5119.3	5225.0	5155.5	5169.2	5190.6	5184.4	5170.0	5216.5	5114.1	5079.3	5047.4
40°	5170.8	5289.3	5207.1	5220.9	5244.6	5233.1	5218.3	5279.2	5162.2	5129.5	5095.3
41°	5225.2	5351.6	5264.3	5274.0	5299.5	5285.3	5267.4	5345.7	5216.6	5182.5	5147.2
42°	5280.8	5413.4	5322.8	5329.9	5358.1	5339.2	5323.5	5412.2	5275.5	5235.7	5203.9
43°	5336.9	5474.1	5383.1	5389.0	5418.2	5394.6	5387.5	5476.3	5340.1	5292.6	5262.2
44°	5398.6	5532.7	5445.7	5449.5	5479.8	5453.1	5452.5	5533.5	5405.1	5351.0	5323.5

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5462.5	5590.7	5510.9	5512.2	5543.8	5515.5	5519.5	5586.0	5470.1	5415.7	5387.8
46°	5532.7	5650.0	5580.6	5578.4	5605.7	5581.7	5583.0	5639.0	5535.2	5483.8	5454.8
47°	5605.7	5708.1	5655.9	5647.2	5672.0	5651.6	5651.4	5690.2	5602.7	5555.0	5523.3
48°	5684.7	5759.9	5731.4	5716.5	5737.9	5723.7	5722.3	5736.5	5672.1	5625.1	5593.8
49°	5763.9	5813.1	5809.8	5786.7	5807.9	5796.4	5794.1	5778.8	5743.8	5695.0	5666.4
50°	5842.4	5867.8	5888.6	5862.0	5880.6	5870.4	5867.0	5820.5	5815.7	5765.3	5742.6
51°	5921.3	5925.2	5967.2	5936.7	5954.7	5940.7	5936.5	5862.2	5887.5	5838.1	5822.4
52°	6001.3	5980.6	6046.9	6017.7	6033.9	6013.0	6005.3	5904.8	5952.6	5912.4	5903.9
53°	6082.0	6033.7	6126.7	6097.9	6114.1	6085.8	6068.6	5945.8	6015.7	5986.2	5989.1
54°	6159.2	6085.3	6201.1	6181.4	6197.4	6160.4	6127.6	5987.5	6077.4	6061.7	6078.3
55°	6230.2	6137.3	6269.1	6265.4	6283.3	6232.0	6180.8	6026.4	6133.6	6131.7	6170.0
56°	6288.8	6185.7	6327.8	6348.7	6371.6	6303.7	6228.9	6063.5	6183.9	6205.5	6264.8
57°	6338.2	6233.3	6381.5	6434.6	6465.5	6372.8	6274.6	6098.3	6226.5	6279.6	6361.1
58°	6382.7	6278.3	6428.4	6509.9	6558.1	6440.8	6314.2	6130.8	6264.8	6347.5	6456.8
59°	6424.1	6321.0	6471.0	6577.9	6652.0	6507.5	6348.7	6153.8	6298.1	6416.1	6553.2
60°	6461.8	6358.6	6506.2	6647.7	6750.2	6569.8	6375.3	6170.4	6324.7	6489.6	6653.2
61°	6491.4	6392.6	6533.4	6722.4	6843.4	6631.0	6395.7	6188.2	6343.8	6560.0	6755.7
62°	6513.0	6427.2	6556.9	6794.6	6935.5	6695.2	6408.0	6200.5	6360.5	6627.3	6858.9
63°	6537.7	6459.3	6581.6	6858.9	7021.9	6760.1	6417.3	6202.4	6372.8	6695.2	6962.0
64°	6560.6	6491.4	6610.0	6913.8	7107.1	6819.3	6420.4	6196.2	6378.4	6758.8	7062.1
65°	6581.6	6497.6	6628.5	6964.5	7184.3	6876.2	6413.6	6172.6	6371.6	6816.3	7154.1
66°	6589.6	6454.4	6622.3	7018.2	7253.5	6926.8	6391.4	6118.8	6351.2	6866.9	7240.5
67°	6569.8	6401.9	6593.3	7059.0	7312.2	6957.1	6338.9	6028.1	6296.3	6909.5	7323.3
68°	6533.4	6314.8	6551.9	7088.0	7351.7	6960.2	6262.9	5857.5	6206.1	6934.2	7399.3
69°	6453.1	6111.1	6459.3	7084.3	7373.9	6936.7	6136.4	5547.6	6052.1	6924.3	7454.8
70°	6292.5	5762.5	6274.6	7049.1	7374.6	6885.4	5923.7	5102.8	5790.3	6877.4	7490.7
71°	6013.7	5241.2	5963.1	6972.5	7344.9	6794.0	5592.0	4620.1	5418.5	6794.0	7498.1
72°	5565.9	4599.8	5480.2	6837.9	7268.3	6669.3	5163.6	4233.2	4985.2	6669.3	7467.2
73°	4959.6	3926.5	4884.3	6645.2	7112.1	6482.1	4731.9	3908.7	4580.1	6461.8	7375.8
74°	4274.2	3250.7	4212.5	6339.5	6865.0	6235.1	4332.7	3496.1	4180.5	6198.7	7201.6
75°	3548.1	2403.8	3450.7	5869.1	6556.3	5925.1	3873.7	2745.6	3700.9	5875.8	6934.2
76°	2725.6	1520.4	2607.1	5275.1	6131.3	5525.6	3190.5	1737.7	2966.2	5469.9	6537.7
77°	1939.6	638.2	1859.8	4561.8	5505.7	4980.7	2250.3	786.0	1999.7	4944.3	5923.9
78°	1153.5	264.5	1112.6	3669.6	4636.6	4236.8	1310.1	573.5	992.5	4231.5	5002.9
79°	380.8	169.4	367.0	2552.5	3586.6	3256.4	374.1	367.4	702.3	3230.8	3852.5
80°	199.0	144.4	198.7	1635.2	2548.7	2297.0	201.1	161.3	436.8	1979.0	2610.0
81°	166.6	119.6	165.5	718.2	1510.8	1337.6	170.3	139.4	171.3	881.0	1350.5
82°	134.1	101.8	132.3	294.5	495.3	393.8	148.8	122.1	141.8	629.3	465.4
83°	101.8	85.4	99.5	229.6	250.0	216.5	127.2	104.7	121.5	396.1	341.4
84°	82.5	70.7	80.3	164.8	203.0	176.6	105.7	87.1	100.8	162.9	218.9
85°	63.4	54.1	60.9	100.6	165.1	136.7	85.9	68.7	80.8	121.6	183.1
86°	45.7	36.6	43.2	72.1	127.2	96.8	67.3	51.4	62.4	93.6	144.6
87°	32.4	25.3	30.6	48.2	89.5	71.7	50.0	34.2	44.7	69.3	99.1
88°	19.0	14.1	18.0	33.6	61.1	49.1	34.5	17.0	27.1	55.9	50.1
89°	5.8	3.1	5.6	18.9	32.7	34.1	19.0	5.4	9.5	42.5	38.1



REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1445048
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	3827.8	3827.8	3827.8
1°	3827.3	3826.0	3827.2
2°	3828.7	3826.9	3826.9
3°	3831.4	3829.3	3829.1
4°	3836.1	3833.3	3831.7
5°	3842.4	3837.8	3835.4
6°	3849.6	3843.9	3841.7
7°	3858.5	3851.9	3849.0
8°	3868.5	3860.8	3857.5
9°	3880.8	3872.3	3868.5
10°	3894.8	3886.3	3881.8
11°	3912.5	3901.8	3898.3
12°	3932.0	3920.7	3916.3
13°	3952.5	3940.4	3936.5
14°	3975.3	3963.0	3959.1
15°	4001.6	3988.8	3985.0
16°	4031.0	4016.6	4011.8
17°	4062.1	4045.8	4040.0
18°	4094.3	4075.4	4068.7
19°	4128.8	4107.0	4098.5
20°	4164.4	4139.6	4130.0
21°	4201.4	4173.7	4161.7
22°	4239.0	4208.8	4193.9
23°	4277.5	4246.9	4228.1
24°	4316.6	4286.2	4263.4
25°	4356.9	4327.8	4301.6
26°	4397.8	4370.3	4340.1
27°	4439.8	4413.5	4382.2
28°	4483.1	4457.2	4426.0
29°	4526.4	4501.7	4471.4
30°	4570.7	4547.3	4520.6
31°	4615.8	4593.8	4571.5
32°	4662.0	4638.0	4623.0
33°	4709.3	4685.0	4678.2
34°	4756.5	4733.0	4736.2
35°	4805.3	4781.0	4794.7
36°	4854.6	4826.9	4853.1
37°	4901.1	4871.4	4913.9
38°	4949.8	4914.7	4975.6
39°	4998.0	4958.4	5037.4
40°	5046.1	5005.4	5101.4
41°	5095.6	5058.7	5167.7
42°	5148.7	5116.0	5231.9
43°	5204.9	5176.9	5291.4
44°	5266.4	5241.2	5347.0

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5330.7	5307.6	5401.9
46°	5401.1	5376.0	5453.6
47°	5473.0	5450.5	5502.0
48°	5545.0	5526.4	5550.3
49°	5621.2	5606.8	5601.1
50°	5697.6	5690.9	5654.7
51°	5779.7	5776.8	5711.3
52°	5864.0	5866.7	5767.7
53°	5949.0	5953.4	5832.0
54°	6040.5	6043.1	5900.3
55°	6131.8	6129.9	5969.7
56°	6225.2	6215.4	6039.0
57°	6319.7	6297.5	6107.2
58°	6416.7	6371.0	6170.8
59°	6515.5	6437.1	6237.6
60°	6617.4	6500.7	6300.6
61°	6716.8	6564.9	6354.3
62°	6816.3	6627.3	6400.0
63°	6916.9	6677.3	6446.9
64°	7015.1	6715.6	6505.6
65°	7113.9	6762.5	6569.8
66°	7209.0	6826.8	6608.8
67°	7293.0	6869.4	6615.5
68°	7352.3	6874.3	6611.2
69°	7411.6	6839.7	6539.0
70°	7446.2	6756.4	6283.3
71°	7426.4	6550.7	5774.6
72°	7326.4	6142.3	5109.8
73°	7185.6	5567.0	4466.9
74°	6968.2	4924.2	3846.2
75°	6563.0	4205.5	2927.3
76°	6008.2	3294.4	1706.0
77°	5339.6	2123.7	671.3
78°	4483.3	998.9	489.7
79°	3277.3	708.3	325.3
80°	1815.6	443.7	160.9
81°	806.8	179.1	142.8
82°	581.2	147.4	126.3
83°	372.6	126.1	110.2
84°	163.9	105.5	93.6
85°	125.2	84.6	76.3
86°	97.3	65.2	56.5
87°	71.6	47.6	38.4
88°	57.5	30.0	20.4
89°	43.7	12.5	8.4

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0

REPORT NUMBER: P1445048

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)